

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A loop flushing circuit comprising:
a variable displacement hydraulic pump;
a hydraulic motor fluidly connected to the pump in a closed loop circuit by first and second system pressure lines;
an electrically proportional control valve in at least one of the system pressure lines is fluidly connected to the hydraulic motor and adapted to regulate the flushing flow of the closed loop circuit, and
a control means connected to the control valve in order to provide a loop flushing flow by activating the control valve when the at least one of the system pressure lines is a low pressure side of the loop flushing circuit wherein when at least one of the system pressure lines is at a threshold pressure, the threshold pressure holds close the electrically proportional control valve when an electrical signal is sent from the control means to open the electrically proportional control valve.
2. (original) The loop flushing circuit of claim 1 wherein the control means is a valve actuator.
3. (original) The loop flushing circuit of claim 1 wherein the control means is an electrical actuator
4. (original) The loop flushing circuit of claim 1 wherein the electrically proportional flow control valve is a spool valve.

5. (original) The loop flushing circuit of claim 1 wherein the electrically proportional flow control valve is a poppet valve.

6. (canceled)

7. (previously presented) A loop flushing circuit comprising: a variable displacement hydraulic pump; a hydraulic motor fluidly connected to the pump in a closed loop circuit by first and second system pressure lines; a shuttle valve fluidly connected to the hydraulic motor; an electrically proportional flow control valve fluidly connected to the shuttle valve and adapted to regulate the flushing flow of the closed loop circuit, and a control means operably connected to the electrically proportional flow control valve adapted to open the electrically proportional flow control valve when a pressure line is below a threshold pressure.

8. (original) The loop flushing circuit of claim 7 wherein the control means is a valve actuator.

9. (original) The loop flushing circuit of claim 7 wherein the control means is an electrical actuator

10. (original) The loop flushing circuit of claim 7 wherein the electrically proportional flow control valve is a spool valve.

11. (original) The loop flushing circuit of claim 7 wherein the electrically proportional flow control valve is a poppet valve.

12. (canceled)

13. (previously presented) A loop flushing circuit comprising: a variable displacement hydraulic pump; a hydraulic motor fluidly connected to the pump in a closed loop circuit by first and second system pressure lines; a first control valve in the first system pressure line is fluidly connected to the hydraulic motor and adapted to regulate the flushing flow of the closed loop circuit, a second control rate valve in the second system pressure line is fluidly connected to the hydraulic motor and adapted to regulate the flushing flow of the closed loop circuit; and a control means connected to the first and second control valve in order to provide a loop flushing flow by activating only the control valve which is connected to a low pressure side of the loop flushing circuit.

14. (previously presented) The loop flushing circuit of claim 13 wherein the control means is a valve actuator.

15. (previously presented) The loop flushing circuit of claim 13 wherein the control means is an electrical actuator

16. (previously presented) The loop flushing circuit of claim 13 wherein at least one of the control valves is a spool valve.

17. (previously presented) The loop flushing circuit of claim 13 wherein at least one of the control valves is a poppet valve.

18. (previously presented) The loop flushing circuit of claim 13 wherein at least one of the control valves is an electrically proportional flow control valve.